



Flexible Landfill Remedies at BRAC Fast-Track Cleanup Program Sites

Loring Air Force Base

Landfill Remedies at Loring



■ Landfills 1, 2, and 3

Landfill 1 Site History



- Approximately 3 1/3 acres
- Former Gravel Pit from 1948 to 1952
- Waste Disposal from 1952 to 1956 (e.g.. concrete, wood, metal)
- Reportedly Received Liquid Hazardous Waste

Landfill 2 Site History



- Approximately 10 acres
- Former Gravel Pit During Early 1950s
- Waste Disposal from 1956 to 1974 (e.g.. domestic trash, construction debris)
- Reportedly Received Hazardous Waste from Flightline Activities

Landfill 3 Site History



- Approximately 20 acres
- Former Gravel Pit from Early 1950s to Present
- Waste Disposal from 1974 to 1991 (e.g.. domestic trash, construction debris)
- Reportedly Received Hazardous Waste from 1974 to 1976

Investigations



| Site | Records Search | Site Inspection | Remedial Investigation | Feasibility Study | Remedial Action |
|------------|----------------|-----------------|------------------------|-------------------|-----------------|
| Landfill 1 | 1984 | 1986 | 1988 - 1993 | NA | 1996 |
| Landfill 2 | 1984 | 1986 | 1988 - 1993 | 1994 | 1996 |
| Landfill 3 | 1984 | 1986 | 1988 - 1993 | 1994 | 1998 |

(1) Engineering Evaluation / Cost Analysis
 (2) Non-time Critical Removal Action

Using Consolidation Remedies



■ Streamlined Remedial Investigation:

- Investigation
- Risk Assessment

■ Streamlined Feasibility Study:

- Identification of ARARs
- Screening of Technologies
- Evaluation of Alternatives

■ Removal Authority

Consolidation



- ROD for Landfills 2 & 3
- RCRA Subtitle C Caps
- Criteria
 - RCRA Land Disposal Restrictions (listed or characteristic waste)
 - Paint Filter Test

Benefits of Consolidation



■ Cost Savings

- 700,000 CY of contaminated soil to date
- 80,000 CY of contaminated soil summer 98
- Total of \$30 - 40M Savings

■ Less Deed Restrictions

■ Less Operations & Maintenance

Lessons Learned



- Scheduling/Contracting/Implementation
Actions are Crucial
- Consolidation
- Removal Action Strategy
- Team Work